

From owner-qrp-l@netcom.com Wed Jan 11 19:54:28 1995
Date: Wed, 11 Jan 1995 15:58:38 -0500
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Message-Id: <199501112058.PAA13707@jfwhome.funhouse.com>
Subject: "My List of Mail Order Electronics Companies"

Did anyone happen to save this the last time I posted it to usenet? (That would probably have been last November, just before I left KSR.) I was going to update it with the news that Ocean State is bagging it (:-(), and discovered that the copy I saved is old. Oops.

From owner-qrp-l@netcom.com Wed Jan 11 21:14:27 1995
From: sehneg@austin.ibm.com (Sehne)
Message-Id: <9501112159.AA17369@n2kty.austin.ibm.com>
Subject: Re: 9V Battery Rechargeable
Date: Wed, 11 Jan 95 15:59:45 -0600

Your message dated: Mon, 09 Jan 95 20:51:05 CST

Yup,yup, I just bought a 2-pack from Sams Club before Christmas & noticed the same thing. Full 9v when charged. A few years ago I had called Varta & confirmed that they were the only ones (previously) who supplied a true 9v rectangular (>7.2v) version, but they were hard to get.

Needless to say, the two batteries are doing service in my Ramsey FM stereo transmitter & in my Ramsey HR-40 receiver (much more stable voltage for varactor diode and able to supply higher currents to the 386 audio stage, due to its lower impedance. I'm thinking about buying more. They were cheaper than the 7.2v brand x versions anyway....not quite enough umph for my 30-40 though :(72s-de N2KTY/5 (Gary)

From owner-qrp-l@netcom.com Wed Jan 11 14:37:58 1995
Message-Id: <9501111732.AA20811@us1rmc.bb.dec.com>
Date: Wed, 11 Jan 95 12:32:36 EST
From: Bill Acito 11-Jan-1995 1232 <acito@asdg.enet.dec.com>
Subject: <didn't bother with a subject>

| (papo@gamekeeper.bellcore.com, "Luis R. Anaya") writes:

|

| Ok, fine, what's a minimal set-up? I live in an apartment...

I do too. I've had good success with an HW-9 to a B&W window mounted whip. Minimal enough.

This is not a permenat installation; the antenna clamps to the

bottom of the sill, and I dangle the counterpoise down from the mount (a 2nd story window). I mount and then retract the antenna into the house each time I use it. I can reliably work Europe and the west coast on 20, and have worked most of the US on 40. It is 6 ft long, and has changable coils. I am careful to tweek the resonance of the antenna (using a swr analyzer).

You'd be surprised what you can get out on. :-)

b

kc1gs, qrp-ne #260

.
- I own my own words -

+++++ Digital Equipment Corporation	Bill Acito
d i g i t a l Digital Semiconductor, Fab 6	
+++++ Hudson, MA	acito@asdg.enet.dec.com

From owner-qrp-1@netcom.com Wed Jan 11 07:13:56 1995
Date: Wed, 11 Jan 1995 11:43:30 +0200 (EET)
From: "Arjen Raateland, VYH/vet, puh. 90-4028 350" <Arjen.Raateland@vyh.fi>
Subject: Re: =?ISO-8859-1?Q?Re=C42=C5:?= OHR WM-1 hints?
Message-Id: <01HLPW8QM1ZM91WVPA@vyh22.vyh.fi>

>> The WM-1 works OK at 12 Volts, too. The DC jack should disconnect the
>>built-in battery (ground lead) when a plug is inserted.
>
>Just a not-too-educated question... my first thought in such a case would be to
>disconnect the hot lead. Why disconnect the ground lead? I realize either one
>would take the battery out, but is there an advantage?
>
>Learning something new every day,,,,,
>

The jack I used has three connections. (1) to the center pin, (2) to the outside of the plug and (3) connected to connection (2) through a switch. The switch opens when a plug is inserted thus disconnecting (3) from (2). The sleeve contact (2) is connected to minus. I suppose most jacks work this way. Connect internal battery minus to (3), so it will be disconnected from (2) (=internal battery minus), when a plug is inserted. I don't have the schematic here, though, so I could have made a mistake in this explanation.

>>>>==>PStJTT

Does this stand for the smoke that escapes when electronic circuits stop working?

73 de OH2ZAZ
Arjen

From owner-qrp-l@netcom.com Wed Jan 11 04:38:52 1995
Date: Tue, 10 Jan 1995 21:59:21 -1000
Message-Id: <199501110759.VAA24939@mango.aloha.com>
From: beltrani@aloha.com (Paul Beltrani)
Subject: Re: Autek

>30M band. Great! Things are looking up. But the minimum
>Z (11 ohms) seems to be at 25 Mhz. Did I miss a sharp dip at
>the SWR minimum or something? The SWR at Z min is 5:1. And
>the Z at SWR min is 41 ohms.
>
>Glen E. Stockton ges@ppco.com

The minimum SWR between two systems occurs when the impedances of those systems are equal.

To over simplify, if your rig is looking for 50 ohms, the closer your antenna impedance is to 50 ohms, the closer your SWR will be 1 / 1.

notice the ratios you had:

Z Rig	Z antenn	SWR
50 ohms	11 ohms	50 / 11 approx 5 / 1
50 ohms	41 ohms	50 / 41 approx 1 / 1

- Paul Beltrani

beltrani@aloha.com
n2kzz@nh6yw.hi.usa.oc Amateur Radio Packet

From owner-qrp-l@netcom.com Wed Jan 11 02:45:26 1995
From: K7YHA@aol.com
Date: Tue, 10 Jan 1995 23:42:26 -0500
Message-Id: <950110234225_5059000@aol.com>
Subject: CQ article

Thanks to all who sent pix for the 2 part article to start in Mar CQ.
CQ called to day and they wanted all the pix overnighed tomorrow. Sorry
Doug, your stuff didn't arrive in time.

I will use some of the remaining pix submitted for the CQ article in QRP Vol-III.

Tnx to all.

72 rich

From owner-qrp-1@netcom.com Wed Jan 11 17:24:00 1995
Date: Wed, 11 Jan 95 11:13:24 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501111713.AA17602@chuck.dallas.sgi.com>
Subject: FOX Schedule Modified

January 11, 1995

FOX SCHEDULE - CW

WARNING: Times and dates are in UTC, so for 0000Z, it's the day before here in the USofA.

name of fox	call	email address	QTH
Chuck Adams	K5FO	adams@sgi.com	Dallas, TX
Bob Easton	N2IPY	bobea@watson.ibm.com	Sloatsburg, NY
Craig LaBarge	WB3GCK	74740.3166@CompuServe.com	Phoenixville, PA
Mark Cronenwett	KA7ULD	ka7uld@ix.netcom.com	San Jose, CA
Pete Rossi	WA3NNA	rossi@vfl.paramax.com	Newton Square, PA
Bob Cutter	KI0G	bcutter@csn.org	Glenwood Springs, CO
Dave Adams	N9UXU	dave@flowserver.stem.com	Indianapolis, IN
Ron Stark	KU7Y	mswmod@nimbus.sage.unr.edu	Sun Valley, NV
Stan Goldstein	N6ULU	stan@cruzio.com	Watsonville, CA
Clay Wynn	N4AOX	wyn@ornl.gov	Alcoa, TN
Ted Albert	KF8EE	teda@meaddata.com	Loveland, OH

Week of:	FOX	Date	Time(UCT)	Freq
Jan 8th	N4AOX	Jan 13	00:00Z-01:00Z 01:15Z-03:00Z	7.101 MHz & UP 7.041 MHz & UP
Jan 15th	WB3GCK	Jan 17	0000-0200Z	7.110 (30min) - 7.040
Jan 22nd	KF8EE	Jan 26	0200-0400Z	7.110 (30min) - 7.040
Jan 29th	KI0G	Jan 31	7.110 0200-0300Z	7.040 0300-0330Z.
Feb 5th	KA7ULD	Feb 7	0400-0600Z	7.040-7.150
Feb 12th	WA3NNA			
Feb 19th	KU7Y	Feb 21	0300-0500Z	7.110-7.115 (1st hr) 7.035-045 (2nd)
Feb 26th	N9UXU	Mar 4	0300-0500Z	7.110-7.120 (both hrs)

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Jan 11 13:38:51 1995
Date: Wed, 11 Jan 1995 11:21:08 -0500 (EST)
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: Ham Calculation prgm. for 'DOS'.
Message-Id: <Pine.3.07.9501111108.A9828-a1000000@govonca>

OK, I noted a little nugget in a display box of the Jan. QST. I told me of a program called Hamcalc9 - which like it says does calculations for hams.

I ftp'ed it from the qst-binaries area in oak.oakland.edu (hamradio/arrl file area), and put it on my DOS machine. I've not yet had complete success with the interface of it yet, but it runs under the included gwbasic, so I just load and run from inside gwbasic. Anyhow, it does all sorts of stuff, like calculate wire turns for desired inductance on a specified Amidon core, coax trap design, toroids, 555 timer pulse rates, etc. Looks useful even though I have not run all the stuff within it.

Brien
VE3VAW
Toronto

pepperb@gov.on.ca

From owner-qrp-1@netcom.com Wed Jan 11 20:21:54 1995
Date: Wed, 11 Jan 95 15:46:47 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501112146.AA18182@chuck.dallas.sgi.com>
Subject: Jim Cates

Saw a posting and I think it as DH that did it, maybe typed in his own, but the correct mailing address for Jim Cates is 3241 Eastwood Road, Sacramento, CA 95821.

In a previous post, the ZIP was incorrect.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Jan 11 07:49:29 1995
From: carreiro@netcom.com (Paul Carreiro)
Message-Id: <199501111111.DAA17654@netcom16.netcom.com>
Subject: Re: Key Paddles
Date: Wed, 11 Jan 1995 03:11:38 -0800 (PST)

Re: Bencher:

>I found them cantankerous and unreliable. Perhaps mine got manhandled a bit
>too much, but once in a while they would come off their bearings (held in
>place with a spring). I like the contacts spaced closely together for QRQ,
>but adjusted in this manner, the Benchers would sometimes get stuck sending
>"dits" or "dahs".

As for the Bencher paddles coming off their bearings, there is a set screw through each armature that can be adjusted to limit the amount of movement each arm can have. I ran into this problem while operating mobile with my Bencher. After tightening the screw in each, I have not experienced "Bencher Blowout".

I've found with all my paddles, that adjusting the contact spacing such that a piece of paper just barely squeaks through works great. This also serves to clean the contacts.

In addition to my Bencher, I have the Vibroplex Brass Racer, Vibroplex Iambic, and the Shure "Profi". Each has it's own characteristic feel and have been reviewed by others here on the list, so the only thing I will add relates to the "Profi" since I have not seen it mentioned here yet.

I thought I had enjoyed QRQ CW for many years. But it wasn't until I got my hands on the Shure "Profi" that I realized just how much fun high speed CW can be. Any description I could possibly set forth here would certainly fall short of reality. The "Profi" is a German hand made, 3 pound, solid brass iambic paddle with plexiglass cover. The paddles are spaced closer together than any of the above mentioned keys. The closest contender as far as paddle spacing would be the Vibroplex Brass Racer. The paddle action is unbelievably smooth. Contacts are gold plated silver. The "Profi" is not a cheap key. HRO Sunnyvale has them for \$199. But, you certainly get much more than you pay for. If my "Profi" was lost tomorrow, I would not hesitate to immediately replace it.

Have not tried the Kent or Jones keys (yet). There is certainly room in my collection for them, but they'll be hard pressed to push the "Profi" off the top of the heap.

If anyone wants a better description, send some E-Mail. I'm currently on a business trip and don't have the key in front of me to give a detailed

description on the mechanism. Also, if anyone in the Los Angeles area is interested in trying any of the keys out in my collection, I would be willing to let you "test drive" them. Just don't break the speed limit!

73/72

Paul N6HCS /M /QRP /QRQ
carreiro@netcom.com

From owner-qrp-l@netcom.com Wed Jan 11 11:17:55 1995
Date: Wed, 11 Jan 1995 09:37:46 -0500 (EST)
From: CEBIK@utkvx.utk.edu
Subject: keyer paddles
Message-Id: <01HLPRI975TU8Y8Q6P@utkvx.utk.edu>

I have seen several evaluations of paddles, and to add to the polling, here is my opinion.

Brass Racer magnetic: great. Havce used it for several years--close spaced, like some of the other commentaters--and have found no flaw that ain't my own darned fault. Actually, they are still at the original adjustments. Vibroplex makes a version with a keyer inside the oak base (YL loves the look), but have not tried it, since the rigs all have keyers inside. I run a variety of CW-makers, from my first J-38 (bought from the Walter Ashe Company) to an infrared LED hand "key" to a similar keyer to a homebrew typer to a commercial typer. Have used single and double paddle keyers, and for that purpose, like the Brass racer best.

But--has anyone figured out how to fit a QRP rig into a laptop computer as a single case rig/computer records keeper-CW maker and decoder? I know that there would be problems isolating the two functions, but in view of the advantages of the (successful) result, it might be a challenge worthy of someone's efforts.

-73-

LB, W4RNL
cebik@utkvx.utk.edu

From owner-qrp-l@netcom.com Wed Jan 11 15:53:20 1995
Date: Wed, 11 Jan 1995 07:23:38 PST
From: Pat Taber <ptaber@xis.xerox.com>
Message-Id: <9501111123.A15957@xis.xerox.com>
Subject: Re: Keyer Paddles

I have the Bencher and Jones keys also the Vibroplex double-lever paddles. (I think I keep hoping I can buy my way to CW success!)

I used the Bencher for a year and never really got comfortable with it. It

didn't seem consistent from day to day. However, I did take it to Field Day and all of my high-speed CW friends went out and bought Benchers afterward. Maybe you have to be good to use one. ;-)

I liked the Vibroplex, but on mine, at least, the contacts were silver and needed to be cleaned a lot (a *lot*) to keep them feeling right for me.

My wife and sons bough me a Jones key for Christmas in 1993 and I love it. It's heavy as can be (I tend to move the key around the desk....) and the levers have the same loose-yet-stable feel the Virbroplex had while the gold contacts don't need cleaning. It's the key for me. Your mileage will vary.

73,

>>>==>PStJTT (Nah - nothing mysterious, just my initials. Patrick St. Joseph Teahan Taber.)

From owner-qrp-1@netcom.com Wed Jan 11 18:02:33 1995
Date: Wed, 11 Jan 1995 00:56:51 +000 (UTC)
From: Rich Mulvey <rkm@vectorbd.com>
Subject: Re: Keyer Paddles
Message-Id: <Pine.3.87.95011110051.A11038-0100000@vectorbd.vectorbd.com>

On Tue, 10 Jan 1995, Ted Kell wrote:

> I have seen, either physically or in ads, three kinds of dual paddle keys, the
> Bencher, the Kent, and the Jones keys. If you have been able to use and/or
> compare any of these three, I would be interested in your comments. Are there
> other keys that I should either be looking at, or avoiding?
>

Funny you should ask, Ted. I asked the same thing myself, a few months ago. :-)

I ended up with hands-on comparisons of the Kent, Jones, and Vibroplex offerings. The Kent won hands-down - it has a VERY solid feel, is inexpensive, and very adjustable. I would highly recommend it.

- Rich

From owner-qrp-1@netcom.com Wed Jan 11 20:56:42 1995
Date: Wed, 11 Jan 1995 12:45:48 -0800 (PST)
From: Monte Stark <mswmod@sage.dri.edu>
Subject: Re: keyer paddles

Message-Id: <Pine.SUN.3.90.950111124413.10771A-100000@nimbus>

On Wed, 11 Jan 1995 CEBIK@utkvx.utk.edu wrote:

>
> But--has anyone figured out how to fit a QRP rig into a laptop computer as
> a single case rig/computer records keeper-CW maker and decoder? I know
> that there would be problems isolating the two functions, but in view of
> the advantages of the (successful) result, it might be a challenge worthy
> of someone's efforts.

>
> -73-
> LB, W4RNL
> cebik@utkvx.utk.edu

>
Wow,

Just write a program to wake up, work the contest, print
the log and let you know how you did!

Hummmmmm,

73's, Ron

.....KU7Y.....Monte "Ron" Stark.....
..mswmod@sage.unr.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From owner-qrp-l@netcom.com Wed Jan 11 01:07:47 1995
From: Byron8LCZ@aol.com
Date: Tue, 10 Jan 1995 21:23:37 -0500
Message-Id: <950110203124_4866670@aol.com>
Subject: Re: Kit/Rig Analysis

Hey Chuck,

How about a blank form, so we can all submit the necessary info the first
time around: i.e.

AGC - y/n
does it pop - y/n
is it selectable (on/off) y/n
does it have slow/fast speeds - y/n

RIT - y/n
range (+/- 1.5 khz) +/- 1.0 khz
center detent - y/n
VFO - y/n
stability - solid/satisfactory/bad news
Crystal controlled - y/n
VXO swing - y/n
(+/- 10 khz) - ???
Dial calibration - right on/satisfactory/not even in ball park
LCD readout - y/n
backlight - y-n
Power (0-5 watts out) - ??
easy/hard to adjust in the field with potentiometer

we should start with the form that the colorado club used, then add on to it.
so we can get the most complete picture of each rig. Don't you think ?

going beyond the hard facts, a sentence/paragraph of the owners view of the
rig might prove useful. comments like: its the best AGC in a kit or it drifts
2 khz in ten minutes or it draws so much current on receive that the power
company called me and demanded i shut down while they bring a new sub-station
on-line.

also comments on the kit building manual: heathkit like, or "stuff all the
parts in the holes and solder - you're done !

some kits are a complete package and some need another 30 dollars to be spend
on cabinet, controls, jacks, RIT add-ons, etc. to make it useful. Assume that
anyone willing to spend money on a kit and then assemble it, will want it to
look as good as he can make it look.

some kits are good only for messing around with QRP (1.5 watts, no rit,
headphones only, not very stable, no audio filter, DC receiver) and some are
contest ready (including a keyer, rf gain control I.F. filter and audio
filter). thats a major distinction.

Include current prices, address/phone nr of suppliers, list of reviews in 73,
CQ, ARCI Quarterly, Co QRP, NorCal, New Eng, etc.including month, year and
page number.

Byron WA8LCZ

From owner-qrp-l@netcom.com Wed Jan 11 09:22:33 1995
Date: Wed, 11 Jan 1995 09:34:38 -0330 (NST)
From: Robert Gobrick <bgobrick@random.ucs.mun.ca>
Subject: MI Test from Newfoundland

Message-Id: <Pine.ULT.3.91.950111092132.7907A-100000@random.ucs.mun.ca>

Some some encouragement for INET folks to get on this weekend for the ARCI SSB test and (I think) the NorthWest QRP CW Test:

This past weekend I spent some time with the MI QRP CW Test - yes and I know for a fact I am the only MI QRP Club member in Newfoundland). I only operated on 20 meters and only part time. Results:

32 Q's, 16 MI members (not bad - a lot of the MI members were on the East Coast), 18 section/provinces and country for a grand total score of 3078. Not bad when you consider:

1. Newfoundland is REALLY far away from everyone in the contest (consider me DX - hi).
2. Used my trusty Oak Hills Research Classic (on 20 only) and I HEARD alot more stations than I worked (please try to dig deep in your listening habits)
3. Monster antenna was my MFJ Super Hi-Q loop antenna off my third floor apartment balcony (it doesn't take much of an antenna to work QRP stations - but it does take a good antenna and I am really a believer in these small loops - best bang for the size).

By the way worked as far away as Utah (W0MHS/7) and Puerto Rico (a few of us captured KP4DJ with his Argo 509).

So for all you potential QRP contesters - don't give up hope when you hear about Ernie's killer antenna farm - you still can have fun with a minimal setup.

See you all this weekend (By the way I am the ONLY NW QRP member in Newfoundland also - hi).

72 Bob V01DRB (WA6ERB)

PS: Special thanks to all the INET QRP-L folks I worked.

From owner-qrp-l@netcom.com Wed Jan 11 02:34:26 1995

Message-Id: <199501110432.UAA11628@mail3.netcom.com>

Date: Tue, 10 Jan 95 20:33 PST

From: Michael Stein

<OSYSMAS@MVS.OAC.UCLA.EDU>

Subject: Re: MOSFETs

Has anyone tried something like a BF996S instead? I got a few of these a while back for \$.87 each (qty 1) but haven't gotten around to doing anything with them yet (1992).

beware: they are SMD. (very very very small)

Spec'ed at 800 Mhz...

Would one of these work in replacing a 40673?

PS: I have some 40673s also, Jameco had a sale one day...

From owner-qrp-1@netcom.com Thu Jan 12 00:12:02 1995
Message-Id: <199501120332.TAA18785@netcom.netcom.com>
Date: Wed, 11 Jan 95 13:54:36 EST
From: C=BAILEY%IS%211EIS@PAMDT.ANG.AF.MIL
Subject: NE 72?

When should I expect the next issue of New England 72? I joined several months ago during the QRP Afield Contest.

From owner-qrp-1@netcom.com Wed Jan 11 14:05:59 1995
Date: Wed, 11 Jan 95 05:23:36 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501111123.AA17197@chuck.dallas.sgi.com>
Subject: NorCal 40 Ready

Gang,

Sorry for the general posting. I don't have the email address of the individual who's NorCal 40 I built. It is ready. Worked beautifully, as all Wayne's rigs do. :-)

Picked up 24 states at 0.95W and some VE's and just got off air with 9 in Indy,IN and VP2E/NM.

So it's ready to ship back to it's home. Send me your email address and we'll arrange to get it back home. Also let me know what freq range you want. I've got it set up for low end of 40M now.

I've got the name and address, so don't any volunteer to give it a new home. :-)

Oooops. To avoid confusion let me say this is the old NorCal 40, NOT the new one. I probably should kill the title, but I'm too lazy now. :-)

I stay awake at night fighting insomnia. :-)

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-1@netcom.com Wed Jan 11 14:13:28 1995

From: bob.berlyn@chowda.com (Bob Berlyn)

Subject: Ocean State Info

Date: Wed, 11 Jan 1995 05:18:00 GMT

Message-Id: <95011111140612240@chowda.com>

Hello all,

I just found out that Ocean State Electronics is closing the doors.

I spoke to Frank, the owner, and he told me that there is just not enough business. He is apparently filling orders that he has, but told me that most of his stock is either gone or sent back to the vendors.

I asked him if he has considered selling it, but it's apparently to late. I thought It would be nice to run it part time, Oh well.

Now I have to figure out where to get the stuff I use for my home brewing.

Bob N1PWU Bob.berlyn@Chowda.com

* CMPQwk #1.4* UNREGISTERED EVALUATION COPY

From owner-qrp-1@netcom.com Wed Jan 11 21:11:21 1995

Message-Id: <199501112321.RAA26465@ns1.arlut.utexas.edu>

Date: 11 Jan 1995 17:20:51 U

From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>

Subject: RE: Ocean State Info

To Bob and all: Besides Digi Key, there is Mouser Electronics who have distribution locations West (2), Central, and Eastern USA. All have the same 1-800-346-6873 number. They have a nice catalog, and I order for industrial repairs, small quantities all the time from them and get 24 hour delivery as the norm without asking; of course one site is here in TX. They have been very quality conscious, and prices seem fair. They are open 14 hours a day Mon.-Fri. I guess the 24 hour catalog label update line is where you would call to get a catalog, that comes out about each quarter. That is 1-800-992-9943. Orders less than \$20 have a \$5 small order fee, but if you are builing a

project, you should buy spares that would ensure the repairability of your project and easily get over the minimum for no surcharge. They sell Vector prototyping boards and such, and advertise on the catalog they cater to the electronics educator and R & D Electronics. They take plastic credit, and personal checks. For COD they take personal checks up to \$300, whatever that means.

There are a number of sources for parts listed in the ARRL Handbook, also in the ham magazines; usually with every project. I find I have to subscribe to over four ham magazines to stay up on projects, so I see lots of sources. "Nuts and Volts" was a construction oriented magazine that had a lot of small order vendors listed, but I let it go as it did not have many ham projects the year I had it. Yes, for some parts of the world parts are a great problem; when I was in 9M2 land, we used tin boxes crackers (Jacobs biscuits) came in for chassis, and junked radios for parts, or had ham friends in other places send us things in a kind of barter system, for local tourist goods. I always try to stick to non critical designs to have something I can share with a ham who may be where parts are not as plentiful as here. And, yes, USA is not having as many parts vendors as when I started out: (Where DID all the variable capacitors go, and the National gear reduction drives, or even the Jackson drives?)

There are a lot of QRP designs that can be done without many toroids; see the MXM transceivers that use the modified 10.7 Mhz IF cans for the VXO for example.

Sometimes, you have to consider the functional system you want and maybe not just copy the circuit part for part.

Did not mean to get on a soap box, and I am probably preaching to the choir on this list. Happy Test tonite all!

72 and 73

Stuart K5KVH

rohre@arlut.utexas.edu

I think a good design should consider a variety of parts substitutions that might have to be made. Swap meets here still have lots of parts, and I am watching what seems to be hard to come by, and picking up those items I might want in awhile. I have not had the chance yet to go to Dayton, but surely must take a truck when I do!!

To: qrp-1@netcom.com

>From: Bob Berlyn on Wed, Jan 11, 1995 15:34

Subject: Ocean State Info

RFC Header:Received: by msmtpgw1.arlut.utexas.edu with SMTP;11 Jan 1995 15:34:16 U

Received: from netcom2.netcom.com (root@netcom2.netcom.com [192.100.81.108]) by ns1.arlut.utexas.edu (8.6.9/8.6.9) with ESMTP id PAA24067 for

<rohre@arlut.utexas.edu>; Wed, 11 Jan 1995 15:33:42 -0600

Received: by netcom2.netcom.com (8.6.9/Netcom)
id IAA08414; Wed, 11 Jan 1995 08:18:47 -0800
Received: from paperboy.ids.net by netcom2.netcom.com (8.6.9/Netcom)
id IAA08405; Wed, 11 Jan 1995 08:18:45 -0800
Received:
from chowda.com by paperboy.ids.net
with uucp
(Linux Smail3.1.28.1 #1)
id m0rS5kp-000ZgFC; Wed, 11 Jan 95 11:18 EST
Received: by chowda.com (wcGATE v4)
id 41879W Wed, 11 Jan 1995 06:14:06 GMT
>From: bob.berlyn@chowda.com (Bob Berlyn)
Subject: Ocean State Info
Date: Wed, 11 Jan 1995 05:18:00 GMT
Message-Id: <95011111140612240@chowda.com>
Organization: chowdanet bbs
To: qrp-l@netcom.com
Sender: owner-qrp-l@netcom.com
Precedence: list

Hello all,

I just found out that Ocean State Electronics is closing the doors.

I spoke to Frank, the owner, and he told me that there is just not enough business. He is apparently filling orders that he has, but told me that most of his stock is either gone or sent back to the vendors.

I asked him if he has considered selling it, but it's apparently to late. I thought It would be nice to run it part time, Oh well.

Now I have to figure out where to get the stuff I use for my home brewing.

Bob N1PWU Bob.berlyn@Chowda.com

* CMPQwk #1.4* UNREGISTERED EVALUATION COPY

From owner-qrp-l@netcom.com Wed Jan 11 02:06:08 1995
Subject: Re: OHR WM-1 hints?
Date: Tue, 10 Jan 1995 21:02:40 -0800
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Message-Id: <9501102102.aa27023@paris.ics.uci.edu>

Gang:

I am about to get me one of dem dere WM-1 wattmeters myself.
I wonder, has anyone done a P.E.P. mod to it, or does have that option? (Due to my well-known propensity to pick up the mike instead of the key once in awhile.....)

I have seen this little "PEP kit" advertised in the back of QST, and wonder if anyone has comments on how well it works. I have a hard time trusting any meter to do this very accurately. Any comments or hints?

Clark
WA3JPG

From owner-qrp-l@netcom.com Wed Jan 11 01:04:50 1995
From: JEVERHART@cayman.vf.ge.com
Date: Tue, 10 Jan 1995 21:10:31 -0500 (EST)
Message-Id: <950110211031.22010cf4@cayman.vf.ge.com>
Subject: Re: OK, now what?

Thanks for the replies. Yes torell (didn't catch your name), I did know about the late December crash. AB4EL graciously informed me within a day or two. I recovered missing only a day's worth. What happened last night was that I mysteriously disappeared from the list. I resubscribed this A.M. and disappeared from the list again within an hour. i confirmed by sending

WHICH

to masterdomo and doulbe checked by sending

WHO QRP-L

to get the whole net listing. Apparently the list is maintained in order of your subscription. Those either side of my address as of Dec 26 were still there today, just my address evaporated. I even check with our IIS (I think this is short for IdIoTS) group who assured me that nothing was amiss at our end and the corporate address was unchanged.

I resubscribed again this afternoon and still remain on the list. Maybe my experience is like J. Lyons who tells me he also just went away form the list spuriously. Hope it holds.

BTW, you can get the syntax for the above messages by sending

HELP

to masterdomo@netcom.com

It responnds with a message summary.

I guess I'll just have to check my status every few days to see if I've become a non-subscriber again :-).

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Wed Jan 11 17:14:51 1995
From: BOBME@LAGUNA.EPCC.EDU
Date: Wed, 11 Jan 1995 07:24:17 -0600 (MDT)
Subject: Re: Paddle keys
Message-Id: <Pine.3.89.9501110719.A539012918-01000000@LAGUNA.EPCC.EDU>

On Tue, 10 Jan 1995, rohre wrote:

> Ted Kell had asked about paddles and named Bencher, Kent, and Jones.
>
> The one he was not aware of is the Vibroplex, made by the company that is over
> 100 years old, and made the "Bug" keys that became one of their logos. They
> are still in the Northeast U.S. and advertise in QST among others. I am sorry
> I do not have the address here at work. Will post that later, if someone else
> does not.
>

Here is the Vibroplex info:

The Vibroplex Co. Inc.
11 Midtown Park, E.
Mobile, AL. 36606

Phone: 1-800-840-8873
or 1-205-478-8873
FAX: 1-205-476-0465

This is from a Vibroplex advertisment in the Janurary 1995 issue of CQ magazine.

Bob, NOHDH

From owner-qrp-1@netcom.com Wed Jan 11 21:37:21 1995
Date: Wed, 11 Jan 95 17:18:46 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501112318.AA18611@chuck.dallas.sgi.com>
Subject: Ranking Importance for QRP

I've been thinking again and that's dangerous. We've hinted at this over the last year or so, but I'd throw this out as the top ten list for QRPers in order of importance:

1. Get the best antenna you can. Principle of Reciprocity at work here.
2. Get the most selective and sensitive receiver you can build/buy/borrow. If you can't hear them, then you can't work them.
3. Put out a clean signal at whatever power level you operate, whether QRP (hopefully a majority of the time) or QRO. Noone wants to work with a bad sounding signal.
4. Be courteous and friendly at all times. It's not the end of the world if you get bumped or bruised on the airwaves.
5. Help others, this will propagate information and you'll learn much in doing so.
6. Stir up interest around you wherever you go, but don't get pushy. QRP isn't for everyone. Start a local group of QRPers or special interest group in the club(s) you have current membership if there is not currently one. Check around and see if there is local activity already in progress. Advertise at local gathering places such as clubs, electronic surplus, etc.
7. Support the international and regional clubs.
8. Give something back, either in writing articles, writing reviews, operating during contests even if just to say that you did. You are giving others points and keeping the interest levels up. Don't let the activities die. They all help in some way. (Be a horn tooter, not a horn toter. - Band Hall, Wink, TX).
9. Find out what keeps you interested and stick with it. Don't let yourself get burned out.
10. Have fun, it's only a hobby.

Hopefully, we each and everyone are doing this through qrp-l and what we are doing at home and in our spare time.

Question: What goals do you want for the mail reflector for 1995? This group has been and will remain unstructured where everyone has equal opportunity to contribute. What areas are we not filling in? We can not and should not fragment ourselves. A divided house will not stand.

For your thoughts and comments.

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed Jan 11 05:07:28 1995
Date: Wed, 11 Jan 1995 00:56:11 -0800 (PST)
From: Alan Kaul <kaul@netcom.com>
Subject: Re: Since I'm asking dumb questions....
Message-Id: <Pine.3.89.9501110036.A19972-0100000@netcom3>

Pat----I use a 1.5 V battery thru a 25K pot on my Icom 725 to get milliwatts! Ground the + side of the battery, and one end of the pot. Attach the other end of the pot to the - side of the battery. Then connect a shielded cable (center conductor to wiper, braid to ground) to an RCA plug and place the plug in the ALC input of the rig. It is possible, the battery/voltage combination won't be exactly right for the rig, but that's the principle. Others have told me of batteries as large as 9V and of pots as big as 1 megohm. The bottom line is it is a little cut and try. Cut it and try it! GL and 72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@netcom.com Wed Jan 11 16:36:48 1995
Date: Wed, 11 Jan 1995 08:42:51 -0700 (MST)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Re: Since I'm asking dumb questions....
Message-Id: <Pine.SUN.3.91.950111084117.10142E-100000@ume>

this is described in OCT. 94 QST.....pretty simple, 9v battery, one pot and a couple of resisitors

Dr. Rick Zabrodski BSc, MD, CCFP(E) * VE6GK
Email: zabrodsk@med.ucalgary.ca * NorCal 519 ARCI 7099 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276 * "Power is no substitute for skill"

On Tue, 10 Jan 1995, Pat Taber wrote:

> ...there must be people in the QRP world who have faced this. I have a
> QRO rig (TS-440) that I want to limit to 5 watts out. I can use the
> power control, but in the five watt area it's pretty touchy and
> adjusting for 5 watts today doesn't mean it will be at five watts when
> I sit down at the rig tomorrow.
>
> I've heard that I can use a voltage at the ALC pin to control output.
> Is it as simple as hooking up a power source and a resistor? Is it
> more precise and dependable to limit power this way? I've never done
> this before....
>
> Thanks es 73,
> >>>==>PStJTT
>
>

From owner-qrp-1@netcom.com Wed Jan 11 14:29:34 1995
Date: Wed, 11 Jan 1995 11:15:51 +0500
From: teda@meaddata.com (Ted Albert)
Message-Id: <9501111615.AA19634@rain.meaddata.com>
Subject: Specs for BC307 diode in Howes Kit

Can someone give me the specs for the BC307 diode used in the HOWES AT-160
transmitter kit? It is used in the final amplifier section and is supposed
to make physical contact with the case of the final amplifier transistor.

73 de Ted, KF8EE

From owner-qrp-1@netcom.com Wed Jan 11 20:35:10 1995
From: N5EM@aol.com
Date: Wed, 11 Jan 1995 16:44:28 -0500
Message-Id: <950111163506_5905954@aol.com>
Subject: Re: Tiny Radios for Tiny Habi...

Luis,

Let us take a reality check. First, big antennas work "better" than small
antennas. Second, outside antennas work "better" than indoor antennas.
Third, high power works "better" than low power.

Ok, what's my point? Everything is relative in this world and ham radio is no exception. As you can see from my opening set of premises, working QRP with a small, indoor antenna is selecting the most challenging permeation of the possibilities.

Yes, it can be done. Yes, you can have fun doing it. BUT, understand that you are embarking on a difficult venture. Not impossible, just difficult (and often frustrating).

When I talk to new hams, especially novices, I tell them how much I enjoy QRP and how much fun it can be. But I would never suggest to a new novice or Tech plus that he/she buy a 1 watt QRP rig as their only rig to begin with. The frustration gained in a month of trying to work stations while skills are brand new would drive most new comers off in a hurry.

Now, if you have worked CW before and are fairly competent at it you may be ready for QRP. Also, if you've had a moderate power station before and made QSOs with stations over a period of time, you may be ready. Also, if you are particularly motivated and love a challenge (a true PL/1 hacker?), you may be ready to take up QRP from your disadvantaged location.

Let's discuss your antenna question now. Here are the various solutions you can try.

Indoor antennas, including the small, magnetic loop are good antennas, especially if near an open area (do you have a balcony or patio you could mount it on?). Also, many have done well with loops or dipoles tapes or thumb-tacked to the ceiling. Check out the apartment for a long run down a hallway. How long is the space? What about a window? Are you on the 2nd or 3rd floor? Could you drop a disguised antenna out the window at night? What about a nearly invisible wire into a tree 30 to 50 feet away? Antennas West sells a 26 or 28 gage, black clad antenna wire that is practically invisible against trees if up in the air 20 or 30 feet.

What about an attic? Are you on the top floor? Do you have an attic access hatch? Many folks have slipped quietly into their portion of the attic and run a dipole up there. Remember, it does not have to be run in a straight line. Run the center portion as straight as possible, then bend the ends, preferably in opposite directions from each other (like a Z).

How about a vertical on a balcony or patio? Lakeview antenna makes a vertical antenna designed for mobile that is 7 feet long. On 40 meters, it will require matching the low impedance and will require some counterpoise to work against. Don't dismiss the possibility of something you can set up in 10 or 15 minutes at night and break down when you are finished.

Finally, don't dismiss the possibility of operating MOBILE. No restrictive co

venants on what you can mount on your car! So what if you strangely enjoy sitting in your car at night for hours on end with headphones on listening to something. Maybe you can't afford a CD player for your apartment. :-)

Also, you can always drive your mobile antenna to a nice quiet spot to listen for DX.

So what do you think, Luis? You up for the challenge? Love to have you with us! Best QRP and good DX.

72

Ed Manuel, N5EM
Houston, Texas

From owner-qrp-1@netcom.com Wed Jan 11 14:41:02 1995
Message-Id: <199501111429.AA26519@marcel.gamekeeper.bellcore.com>
Subject: Tiny Radios for Tiny Habitats
Date: Wed, 11 Jan 95 09:29:39 EST
From: "Luis R. Anaya" <papo@gamekeeper.bellcore.com>

Ok.. Ok.. I'm convinced :). Let's see if I can save some cash to get that QRP rig. However, before I buy the equipment, I have more questions. (please, bear with me.. :))

As Robert Gobrick stated:

>So for all you potential QRP contesters - don't give up hope when you
>hear about Ernie's killer antenna farm - you still can have fun with a
>minimal setup.

Ok, fine, what's a minimal set-up? I live in an apartment which one of the covenants law is that I can not hang up anything outside my apartment. Which mean that I can not have a full length 40 Meter dipole out my window. I've been thinking into building a quad or delta, I do not know how effective are they when they are indoors. Unless I can put a vertical antenna close to the building's walls. How much can I compromise, if I can not have a full length antenna, does a 1/2 or 5/8 will work fine?

What would you recommend as a beginner's set up anyway?

The same utterly newbie,

:)

--

Luis Roberto Anaya-Rivera

papo@donuts0.bellcore.com

A True PL/1 Hacker
Bellcore, NJ

papo@briscas.gamekeeper.bellcore.com
Ham: N2ZXE+

From owner-qrp-1@netcom.com Wed Jan 11 20:16:30 1995
Date: Wed, 11 Jan 1995 15:55:14 -0500 (EST)
From: Bruce Robertson <brucerob@epas.utoronto.ca>
Subject: Re: Tiny Radios for Tiny Habitats
Message-Id: <Pine.3.89.9501111534.B2513-0100000@blues.epas.utoronto.ca>

On Wed, 11 Jan 1995, Luis R. Anaya wrote:

> As Robert Gobrick stated:

>=20

> >So for all you potential QRP testers - don't give up hope when you=20

> >hear about Ernie's killer antenna farm - you still can have fun with a=
=20

> >minimal setup.

>=20

> Ok, fine, what's a minimal set-up? I live in an apartment which one

>=20

I can second Robert's opinion. I worked the 'test for about an hour with=20
my home set-up: ham-stick type whips mounted on a 3rd-floor balcony using=
=20

the steel rail of the balcony as a ground plain. With a 40-40 at .9w I=20
worked about 4 stations and had a ball. Thank goodness for people with=20
great antenna farms! (Parenthetically, that reminds me of a thought I had=
=20

when people o=FCn this list were proposing a penalty for having a great=20
antenna in QRP contests. I came to the conclusion that since both=20
receiving and sending stations benefit from said antenna, it would be in=20
everyone's best interest to have as inefficient an antenna as possible=20
and let the other guy take the penalty. Thus in 3 yrs time we would all=20
be listing our rig as a 1w OHR running into an array of 2 100ohm carbon=20
comp. in parallel!)

My apt. regulations also prohibit me from doing what I do. However, I=20
only put the antenna up at night: the rest of the time the mount is all=20
that's there. The antenna is black and not very conspicuous. People=20
rarely look up at=FC their building's face. Finally, the super is pretty=20
relaxed. I know that if he tells me to, it goes down. But as long as it=20
hurts nobody, he doesn't mind.=20

72 from the inner-city QRP'er, VE3UWL

=20

Bruce G. Robertson Dept of Classics, University of Toronto

From owner-qrp-1@netcom.com Wed Jan 11 22:16:50 1995
Message-Id: <199501112241.QAA25807@ns1.arlut.utexas.edu>
Date: 11 Jan 1995 16:34:42 U
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: re Tiny Radios for Tiny Habitats

Luis,

Do you have an apartment/condo with balcony on an upper floor?

[Luis asked about efficient antennas for the restricted antenna spaces that many hams face today. Subdivision covenants may dictate no outside antennas (that are visible) and this may not be apparent until you have signed on the dotted line to buy the property. (Something to check when shopping!!)]

Or your size of home QTH does not lend itself to a four square, rhombic, or whatever the "big guns" use.

What works? By the accounts of several reviews in the ham press of different vendors products and several homebuilt articles, and the experience of a local ham, the small Magnetic Loop antennas like the MFJ, AEA, or ones you build yourself are very good for the small area they take. They can be installed each time you operate on your balcony, and taken in later, if you operate mostly at night. Or you could install one certainly horizontally, and perhaps vertically in your attic. The later editions of the ARRL Antenna Book have good design information. The key is soldered joints rather than clamps or screws to connect to the tuning capacitor that is opposite the feed point of the loop. A second key to low RF losses, is to use a capacitor without a mechanical wiper carrying high RF current, to tune the loop. How to do that? Find a two stage tuning capacitor from the junk, with wide enough spacing for the power you are running, and of a value of twice what you need to tune the band. Besides the high RF voltage, you must solve the current carrying problem of the wiper of the rotor, by connecting one end of the loop to one stator, the other end of the loop to the second stator, and the rotor electrostatically couples the two, and you have low loss tuning for your loop. Two capacitors in series of equal value have one half the capacitance of either capacitor alone, but you do not have the loss in the mechanical contact to the rotor. You can parallel RF type fixed capacitors of high voltage rating, like doorknob ceramics, to help get the total capacitance to resonate at 30 Meters for example, but the tuning will be restricted as to how wide a coverage you will tune.

Besides the small magnetic loop; a wire loop could be taped to the ceiling; and in the QRP ARCI Quarterly, I read of this being done at the QRP suite at Dayton.

Allen Ward, KA5N, has written of indoor apartment antennas in past ham magazine

issues. He has had good luck with folding indoor dipoles to fit available space, etc. You never know it will not work until you try it. Of course, a tuner may be required, or if you have a QRP homebuilt, you could try an ancient method: Variable link, or tuned link coupling! The VK-ZL bunch and W6SAI have covered the Z-match tuner which can tune a couple of bands on one setting which might be useful for these cases. (W6SAI was writing in "CQ" in his column.)

Some folks have aluminum patio covers; they might resonate or can be tuner coupled into a passable antenna. Same for down spouts, or gutters on the roof edge, if you bond the sliding joints. For ten meters, a large metal window frame might load with gamma coupling as a rectangular loop. Of course, ten is a mite poor these days, but it will come back and one could use hook up wire to hang a half square antenna under the eaves, and fed with small coax, it might not be noticed. You could wind some plastic ivy on the vertical quarter waves, and say you were gardening! The half square is a gain antenna, and there are other limited space ideas. Antennas West has a nice catalog that describes these and other commercial versions of ham disguise antennas.

A completely unexplored area in the QRP Literature as far as I have seen is the use of NVIS antennas. These are things like a dipole close or even on the ground. Granted, they are intended for talking beyond ground wave and inside the skip zone, and don't have a low angle for DX, but there are many stations you can work within a populated state, and the occasionally DX may come. For coverage of the entire State of Texas for emergency communications, our Emergency Operations Center uses low NVIS dipoles, a couple of feet off the flat roof of a two story building. If one did not have room for a half wave dipole, you could zig zag the ends around the corners of the building at the roof edge. Again small wire would aid the stealthy look. I plan to try this with a wire 80 meter dipole, and will report my results. Shortened antennas could be installed under the eaves, such as two "Ham Sticks" as a dipole, or two Outbackers. On 80 meters in CA., I hear the State radio net has at least one loud check in who had the antenna laying on the driveway at that time! I think the general rule would be to say get as much antenna up as possible, ie. resonant ones as high as practical; but don't despair if you can't do the Rhombic. Most neighbors would not object to you being patriotic and putting up a flagpole, which is really a vertical for your favorite band 40 Meters and up.

You would of course want a plastic flag, so the tuning does not vary with water content of the flag in wet wx! Another interesting antenna that was first used for mobile is the Reinartz antenna. There is a mobile handbook that was authored by a W6 some years ago, and has been republished and is sold by the Texas Bug Catcher man, (GLA SYSTEMS) Caddo Mills TX, that contains details of this antenna. It is an insulated mast such as PVC in todays materials; that you "wind" with wire parallel to the pipe, and then turned back parallel to the first run for half the distance, and then U-turned again, so you end up with a straight run of wire broken up by little folded dipole looking sections, parallel to the axis of the mast, if this makes any sense. Thus, a longer piece of wire can be put into a much shorter distance. You would have to use nylon ties or tape to hold the turns in the little folded dipole shaped

sections. Please note these are not really folded dipoles, but that is the best word picture I could invoke quickly.

Using this method, a quarter wavelength of wire can be compacted into a less noticeable length.

Another shortened vertical or horizontal antenna can be made by helically winding a quarterwave of wire onto a PVC pole. You could even try this as a balcony flagpole angled out from a porch rail for example. With either a helical or Reinartz, a tuner would be used to couple to the rig. Hopefully, I have stimulated the imagination of those without a yard, or having other antenna restrictions.

A number of the RSGB publications address the limited garden or yard space antennas, and U. K. hams often have low antennas because of lack of space and height restrictions.

In closing, disguise or improvise, and by all means operate. Oh, one more thing. The local loop authority on the small magnetic loops which are made of Aluminium or copper, swears that when copper is used, it makes a difference if the outer surface is shiny and kept that way by a protective clear coating. He reported a copper loop left outdoors and unsprayed for a year then had a lower "Q" factor, (broader SWR null), but poorer efficiency when compared to new, (when it was shiny), and had sharp Q. (sharper tuning dip in SWR). He cleaned and recoated it and restored the better performance. There must be a skin effect at work, even on this 30 meter and up loop. His Large loops were 6 foot diameter, and others smaller. He has not used Aluminum, as Copper is easier to bend, but this corrosion thing may apply to Aluminum which quickly oxidizes and turns that dull color if not coated. Does anyone know if that means an anodized tubing of aluminum would not work well? (Given that anodizing is an insulating treatment??) If anodizing would work, it also has the effect of increasing the surface area somewhat does it not? Perhaps we have a chemist or metallurgist among us to enlighten us. Thanks to all for your insights, I do find this a helpful group and hope I may have helped some of you, as well as Luis.

Good Luck Luis and keep us informed on what you choose!

72 and 73,
Stuart
K5KVH
rohr@arlut.utexas.edu

From owner-qrp-1@netcom.com Wed Jan 11 19:53:32 1995
Date: Wed, 11 Jan 95 13:49:07 -0600
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9501111949.AA17802@chuck.dallas.sgi.com>
Subject: Re: Travel

Dave and group,

Got email that David Benson, NN1G, and K5F0, yours truly, will both be in Mt View/San Jose/Santa Clara, CA area at the same time. Is this rare or what?

So, how about Tuesday night, 6:30pm, Two Guys from Italy, in Mt View for a get together? Already got news that Doug Hendricks, KI6DS, is tied up with his final season as basketball coach.

So, be there and be square. If time and date should change, that's Jan 17th CA time, again Tuesday next week. I'll bring the raincoat, and some other goodies.

We can get Wayne Burdick there too. What say Wayne?

This should be the largest turnout ever at Two Guys from Italy. Be there - be square.

dit dit

Chuck Adams K5F0 CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Wed Jan 11 22:59:32 1995
Date: Wed, 11 Jan 1995 18:04:56 -0800 (PST)
From: John Dundas <ab6dg@netcom.com>
Subject: Re: Travel
Message-Id: <Pine.3.89.9501111820.A24643-01000000@netcom17>

Well, now, we have Italian restaurants in Southern California too, you know. And not everybody here runs 10 kw (most, perhaps, but not all). So you could think about a qrp gathering down here sometime!

72/3 de John, AB6DG

On Wed, 11 Jan 1995, chuck adams wrote:

> Dave and group,
>
> Got email that David Benson, NN1G, and K5F0, yours truly, will
> both be in Mt View/San Jose/Santa Clara, CA area at the same
> time. Is this rare or what?
>

> So, how about Tuesday night, 6:30pm, Two Guys from Italy, in
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> ball coach.
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> We can get Wayne Burdick there too. What say Wayne?
>
> This should be the largest turnout ever at Two Guys from
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>
> dit dit
>
>
> Chuck Adams K5FO CP-60 adams@sgi.com
>
>
>